



plicant(s): Jin-Won JUNG et al.

For: COHERENT NANODISPERSION-STRENGTHENED SHAPE-MEMORY ALLOYS

Serial No.: 10/809 082 Group: 1742

Filed: March 25, 2004
Confirmation No.: 7668

Examiner: Unknown

Atty. Docket No.: NU23007

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## FIRST CLASS MAILING CERTIFICATE

Sir:

I hereby certify that this correspondence is being deposited with the United States Postal Service under 37 CFR 1.8 as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on February , 2006.

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enclosures listed thereon

## IN THE U.S. PATENT AND TRADEMARK OFFICE

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## INFORMATION DISCLOSURE STATMENT

Sir:

This Information Disclosure Statement is being filed in accordance with the duty of disclosure under 37 C.F.R. § 1.56 and pursuant to 37 C.F.R. § 1.97-1.98. Enclosed herewith are Form PTO-1449 (2 pages) and the Documents AA-AM as cited under Other Documents thereon. Accordingly, further comment at this point in time should not be necessary.

Further consideration is respectfully solicited.

Respectfully submitted,

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Encl: listed above

Applicant: Jin-Won JUNG et al. Page 1 of 2 INFORMATION Serial No.: 10/809 082 : March 25, 2004 Group : 1742 Atty. Ref.: NU23007 CITAZ FEB 0 9 2006 U.S. PATENT DOCUMENTS Document Sub Filing Initial\* Number Name Class Class Date FOREIGN PATENT DOCUMENTS Examiner Document Sub Translation Initial\* Number Date Country Class Class Y/N OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.) AA Chen et al., "Martensite Lattice Changes During Tempering," Metall. Trans. A., vol.11A, August 1980, pp.1333-1339. AΒ Grujicic et al., "Mobility of Martensitic Interfaces," Metall. Trans. A., vol.16A, October 1985, pp.1713-1722. Ishida et al., "Microstructure of Ti-48.2 at. Pct Ni Shape AC Memory Thin Flims," Metall. Trans. A., vol. 28A, October 1997, pp. 1985-1991. Jung et al., "Precipitation of Heusler Phase (Ni2TiAl) from AD B2-TiNi in Ni-Ti-Al and Ni-Ti-Al-X (X=Hf,Zr Alloys," Metall. Trans. A., vol.34A, June 2003, pp. 1221-1235. Kajiwara, S., "Development of Composition-Insensitive SMA Thin ΑE Films with High Recovery Strength and Large Recovery Strain," J. Phys. IV, vol.11, 2001, pp.395-405. AF Kajiwara et al., "Stregthening of Ti-Ni Shape-Memory Films by Coherent Subnanometric Plate Precipitates, " Philos. Mag. Lett., vol.74, 1996, pp.137-144. AG Kajiwara et al., "Remarkable Improvement of Shape Memory Effect in Fe-Mn-Si Based Shape Memory Alloys by Producing NbC Precipitates," Scripta Mater., vol.44, 2001, pp.2809-2814. **EXAMINER** DATE CONSIDERED \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through

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DISCLOSURE	Serial No.: 10/809 082	Filed : March 25, 2004
CITATION	Group : 1742	Atty. Ref. : NU23007
CITATION	Gloup . 1742	Ally. Rel. : 11023007
	OTHER DOCUMENTS (Including Author, Title, D	Pate, Pages, Etc.)
АН	Koizumi et al., "NiTi-base Intermetallic Alloys Strengthened by Al Substitution," Mater. Sci. Engng A., vol.223, 1997, pp.36-41.	
AI	Lin et al., "The Tensile Behavior of a Cold-Rolled and Reverse-Transformed Equiatomic TiNi Alloy," Acta Metall. Mater., vol.42, 1994, pp.1623-1630.	
AJ	Liu et al., "The Influence of Distribution of α Phase on Properties of Polycrystalline CuZnAl Shape Memory Alloy," Metall. Trans. A., vol.23, October 1992, pp.2939-2941.	
AK	Yang et al., "Ductilization of Ti-Ni-Pd Shape Memory Alloys with Boron Additions," Scripta Metall. Mater., vol. 28, 1993, pp.161-165.	
AL	Lovey et al., "On the Microstructural Characteristics of Non-equilibrium $\gamma$ Precipitates in Cu-Zn-Al Alloys," Mater. Sci. Engng A., vol.129, 1990, pp.127-133.	
AM	Morawiec et al., "Precipitation and Shan CuAlNi+TiB Alloy," J. Phys. IV, vol.5 (	-
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